



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/924,029	08/07/2001	Thane M. Larson	10012573-1	3018

7590

02/10/2005

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO 80527-2400

EXAMINER

DINH, DUNG C

ART UNIT	PAPER NUMBER
----------	--------------

2152

DATE MAILED: 02/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/924,029

Applicant(s)

LARSON ET AL.

Examiner

Dung Dinh

Art Unit

2152

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>8/7/01</u> . | 6) <input type="checkbox"/> Other: ____. |

Art Unit: 2152

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant Admitted Prior Art and further in view of Verthein et al. US patent 6,678,284.

As per claim 1, a server system with plurality of host processing cards and manual assignment of IP addresses to the host processing cards are admitted prior art (Applicant's specification page 1). The admitted prior art does not have a management card with user interface for manual assignment of the IP addresses. In similar field of invention, Verthein teaches providing a general purpose computing card in the server chassis coupled to plurality of network service cards via the internal chassis bus. The general purpose computing card is installed with management software. This provides for improve network management and

Art Unit: 2152

reduces access and processing time. (See Verthein col.2 lines 55-62, col.3 lines 5-8). Hence, given the teaching of Verthein, one of ordinary skill in the art would have been motivated at the time of the invention to have a management card in the chassis of the prior art server system for managing the host processor cards in the chassis because it would have eliminated the need for connecting an external terminal to the chassis and improved management and reduced access time to the host processing cards in the chassis.

As per claim 2, the references are silent on the use of I2C bus. However, I2C bus is well known in the art. I2C bus is efficient because it requires only two signal lines. Hence, it would have been obvious for one of ordinary skill in the art to have used I2C bus for managing the cards because it would have used minimal number of signal lines in the chassis.

As per claim 3, the references are silent on the use of IPMI. However, the advantages of IPMI are well known in the art. IPMI is design specifically for management function. Hence, the use of IPMI would clearly been obvious to one of ordinary skill in the art.

As per claim 4, since the management card is for managing the host processing cards in the chassis. It would have been obvious

Art Unit: 2152

to use the management card to send other configuration data beside the IP addresses to the host processing cards.

As per claim 5, manual assignment of IP address to the host processing card is in the admitted prior (see Applicant's specification page 1).

As per claim 6, it is well known in the art that configuration of IP address include providing address of any gateway, subnets masks, host name, etc.. Hence, providing these information during configuration of the host processing cards would have been obvious to one of ordinary skill in the art.

As per claim 7, Verthein teaches providing the management card with LAN interface (fig.2 #42), and serial interface (fig.2 #36, 34).

As per claims 9-13, they are rejected under similar rationale as for claims 1-6 above.

As per claim 15-19, they are method corresponding to the system claims 1-6. Hence, they are rejected under similar rationale as claims 1-6 above.

Claims 8, 14, 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant Admitted Prior Art and further in view of Verthein et al. US patent 6,678,284 and Liu US patent 6,185,110.

Art Unit: 2152

As per claim 8, Verthein does not teach providing LCD panel mounted on the server system. Verthein provides an interface to an external display (fig.2 #32). However, in similar field of invention, Liu teaches a system for mounting an LCD on the server chassis (see abstract). Hence, it would have been obvious for one of ordinary skill in the art to use the LCD of Liu the prior art system as modified because it would have enabled the display to be integrated on the server chassis and eliminating the problem of connecting external devices to the server system (Liu col.2 lines 1-5).

As per claims 14 and 20, they are rejected under similar rationale as for claim 8 above. Verthien teaches providing the management card with LAN interface (fig.2 #42), and serial interface (fig.2 #36, 34).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Sides et al. US patent 6,363,449, col.3 discloses the functions and advantages of IPMI.

Art Unit: 2152

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung Dinh whose telephone number is (571) 272-3943. The examiner can normally be reached on Monday-Thursday from 7:00 AM - 4:30 PM. The examiner can also be reached on alternate Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenton Burgess can be reached at (571) 272-3949.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Dung Dinh
Primary Examiner
February 6, 2005